

## INTERNATIONAL SEARCH REPORT

IB2004/050889

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03M1/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 130 632 A (OPRIS ION E) 10 October 2000 (2000-10-10) abstract figures 3,5 column 2, line 5 - line 20 column 4, line 37 - line 63 column 5, line 14 - line 23 column 5, line 53 - column 6, line 44 column 9, line 32 - line 46	1-4, 7-13

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents:

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- °&° document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
6 September 2004	21/09/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Oliveira, J.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6130632 A	10-10-2000 DE	19916879 A1	21-10-1999